

VertiSep™ Packings Specifications

Silica-Based Packings										
Packings	Base Material	Particle Shape	Particle Size (µm)	Carbon Load (%)	Pore Size (Å)	Pore Volume (ml/g)	Surface Area (m ² /g)	Phase Bonding	End Capped	USP L-Code
VertiSep™ UPS										
C18	Silica	Spherical	3,5,10	17	100	1.1	450	Monomeric	Yes	L1
C8	Silica	Spherical	3,5,10	9	100	1.1	450	Monomeric	Yes	L7
Ph	Silica	Spherical	3,5,10	9.5	100	1.1	450	Monomeric	Yes	L11
CN	Silica	Spherical	3,5,10	4	100	1.1	450	Monomeric	No	L10
Si	Silica	Spherical	3,5,10	-	100	1.1	450	-	No	L3
VertiSep™ AQS										
C18	Silica	Spherical	3,5,10	15	120	1.0	300	Monomeric	Yes	L1
C8	Silica	Spherical	3,5,10	8	120	1.0	300	Monomeric	Yes	L7
Ph	Silica	Spherical	3,5,10	7	120	1.0	300	Monomeric	Yes	L11
CN	Silica	Spherical	3,5,10	4	120	1.0	300	Monomeric	No	L10
NH2	Silica	Spherical	3,5,10	3	120	1.0	300	Monomeric	No	L8
Si	Silica	Spherical	3,5,10	-	120	1.0	300	-	No	L3
Diol	Silica	Spherical	3,5,10	-	120	1.0	300	Monomeric	No	
VertiSep™ HCS										
C18	Silica	Spherical	3,5,10	23	100	1.0	350	Polymeric	Yes	L1
C8	Silica	Spherical	3,5,10	13	100	1.0	350	Polymeric	Yes	L7
Ph	Silica	Spherical	3,5,10	8	100	1.0	350	Polymeric	Yes	L11
C4	Silica	Spherical	3,5,10	6	100	1.0	350	Polymeric	Yes	L26
CN	Silica	Spherical	3,5,10	4	100	1.0	350	Polymeric	Yes	L10
NH2	Silica	Spherical	3,5,10	3	100	1.0	350	Polymeric	No	L8
Si	Silica	Spherical	3,5,10	-	100	1.0	350	-	No	L3
VertiSep™ BDS										
C18	Silica	Spherical	3,5	11	140	0.6	150	Monomeric	Yes	L1
C8	Silica	Spherical	3,5	6	140	0.6	150	Monomeric	Yes	L7
Ph	Silica	Spherical	3,5	5	140	0.6	150	Monomeric	Yes	L11
CN	Silica	Spherical	3,5	4	140	0.6	150	Monomeric	Yes	L10
VertiSep™ BIO										
C30	Silica	Spherical	3,5	20	200	1.1	200	Monomeric	Yes	-
C18	Silica	Spherical	5,10	8	300	0.9	100	Monomeric	Yes	L1
C8	Silica	Spherical	5,10	6	300	0.9	100	Monomeric	Yes	L7
C4	Silica	Spherical	5,10	4	300	0.9	100	Monomeric	Yes	L26
VertiSep™ GES										
C18	Silica	Spherical	3,5,10	17	120	1.0	300	Polymeric	Yes	L1
C8	Silica	Spherical	3,5,10	13	120	1.0	300	Polymeric	Yes	L7
Ph	Silica	Spherical	3,5,10	8	120	1.0	300	Polymeric	Yes	L11
C4	Silica	Spherical	3,5,10	6	120	1.0	300	Polymeric	Yes	L26
CN	Silica	Spherical	3,5,10	3.5	120	1.0	300	Polymeric	Yes	L10
NH2	Silica	Spherical	3,5,10	3	120	1.0	300	Polymeric	No	L8
Si	Silica	Spherical	3,5,10	-	120	1.0	300	-	No	L3
SAX	Silica	Spherical	5	4	120	1.0	300	Polymeric	No	-
SCX	Silica	Spherical	5	4	120	1.0	300	Polymeric	No	-
VertiSep™ IRS										
C18	Silica	Irregular	10	10	125	1.0	300	Monomeric	Yes	L1
Ph	Silica	Irregular	10	8	125	1.0	300	Monomeric	Yes	L11
CN	Silica	Irregular	10	6	125	1.0	300	Monomeric	Yes	L10
NH2	Silica	Irregular	10	4	125	1.0	300	Monomeric	No	L8
Si	Silica	Irregular	10	-	125	1.0	300	-	No	L3

Choosing Columns

VertiSep™ Packings Specification

Polymer-Based Packing							
Packings	Base Material	Ionic Form	Particle Shape	Particle Size (µm)	Carbon Load (%)	Cross Linked (%)	USP L-Code
VertiSep™ PRP							
PRP-L21	Polymer	-	Spherical	5,10	-	-	L21
PRP-AQ	Polymer	-	Spherical	5	-	-	-
PRP-C18	Polymer	-	Spherical	5	17	-	-
PRP-C8	Polymer	-	Spherical	5	10	-	-
PRP-NH2	Polymer	-	Spherical	5	6	-	-
VertiSep™ SUGAR							
CMP	Polymer	Calcium	Spherical	9	-	8	L19
SOP	Polymer	Silver	Spherical	10,20	-	8	-
LMP	Polymer	Lead	Spherical	8	-	8	L34
HMP	Polymer	Hydrogen	Spherical	8	-	8	L17
VertiSep™ OA							
OA	Polymer	Hydrogen	Spherical	8	-	8	L22